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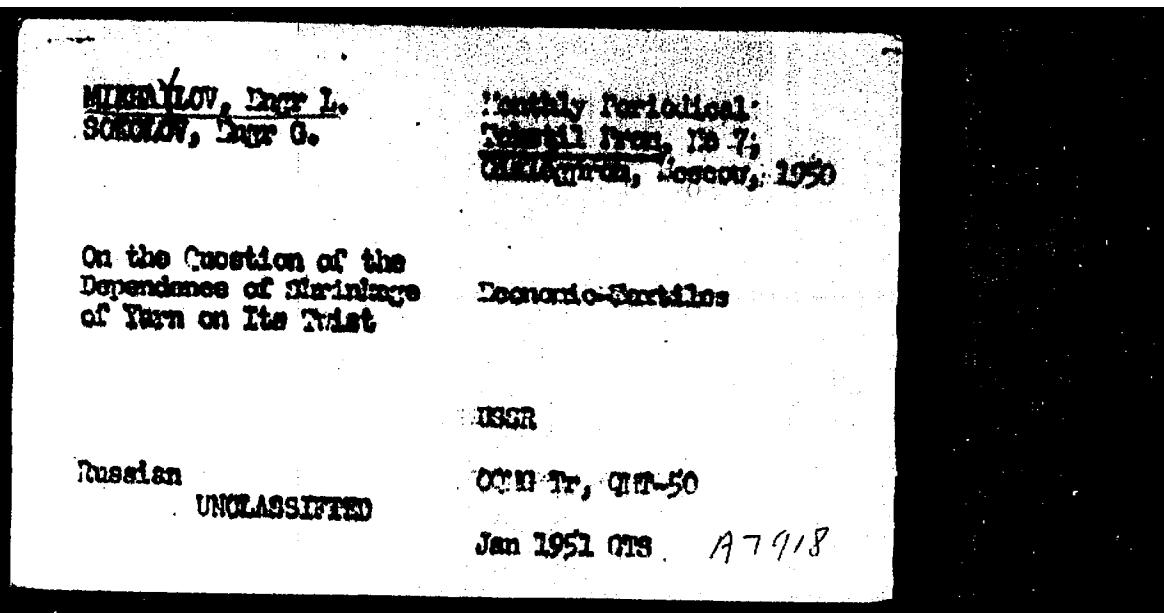
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Feb 61

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Jul 58

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- I. Mikhaylov, M.
- II. Title: Soviet...
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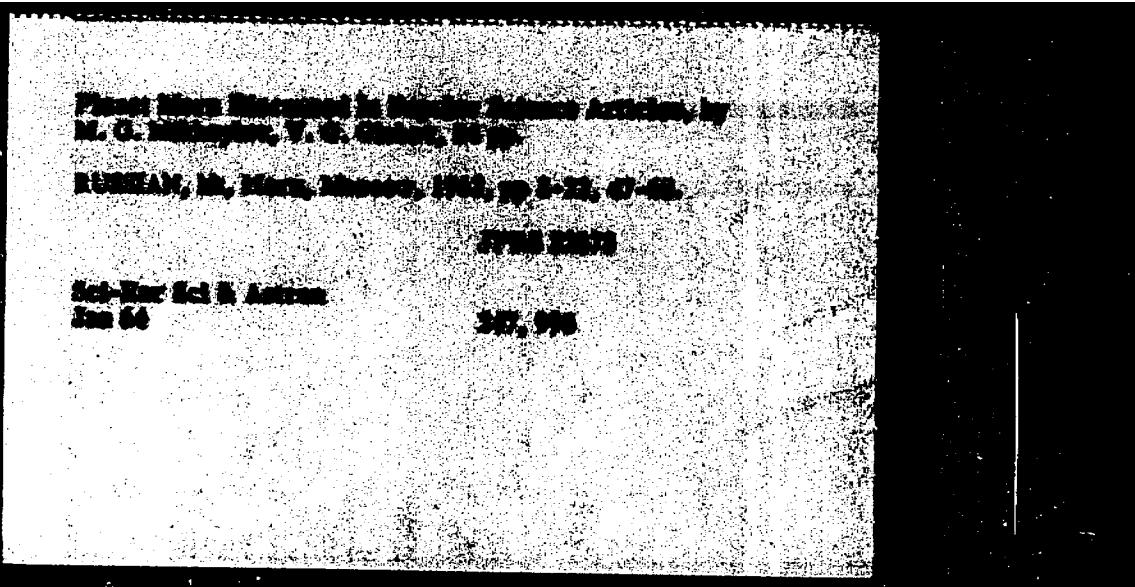
DESCRIPTORS: Hydrolysis, \*Calcium compounds,  
Fluorides, \*Fluor spar, \*Silicon compounds, Dioxides

61-25623

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Office of Technical Services



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JPRS 13628

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Apr 62

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Mikhailov, L. D. Razumov,

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JPRS 6694

Conditions for the Case of Aerial and Cable  
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Nov 58

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Sci - Biol

Apr 59

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Mikhaylov, M. K.

PAPER CHROMATOGRAPHY STUDIES OF THE HYDROXYCINNAMIC ACIDS IN TOBACCO (Issledovaniye Oksiproizvodnykh Korichnoy Kisloty v Tobake Metodom Khromatografii na Bumage). Feb 59, [6]p. 16 refs. C. T. S. No. 626. Order from LC or SLA mi\$1.80, ph\$1.80 60-23990

Trans. of Akademiya Nauk SSSR. Doklady, 1958, v. 121, no. 2, p. 330-333.

Chromatograms were made from samples of fermented grade II Bulgarian tobacco to determine cinnamic acid derivatives. Free caffeic and chlorogenic acids were detected. Catechin derivatives and free quinic acid were not present. Rutin was detected as a single spot. (See also 59-10145)

(Chemistry--Analytical, TT, v. 5, no. 4)

60-23990

1. Tobacco--Chromatographic analysis
2. Paper chromatography-- Applications
- I. Mikhaylov, M. K.
- II. CTS-626
- III. Department of Scientific and Industrial Research (Gt. Brit.)

Office of Technical Services

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Co-op Trans Sch 626

Sci - Chem  
Mar 59

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Trans. of [Bulgarska Akademiya na Naukite,  
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DESCRIPTORS: \*Tobacco, Chemical analysis,  
\*Vitamin P.

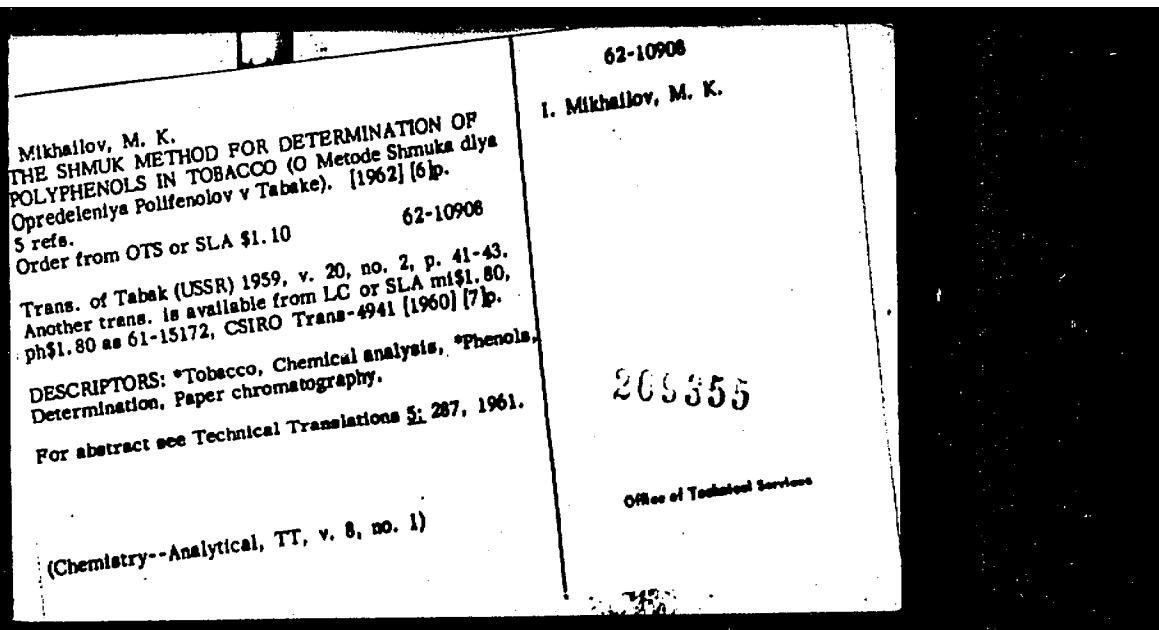
I. Mikhailov, M. K.  
II. K-H-9856-a  
III. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

(Chemistry-Analytical, TM, v. 8, no. 8)

C223289

Office of Technical Services

<p>Mikhailov, M. K. WILKINSON'S, PHILLIP'S AND BACOT'S METHOD FOR DETERMINING CHLOROGENIC ACID IN TOBACCO. [1962] 6p. 14 refs. Order from SLA \$1.10</p> <p>Trans. of Bulgar[sko] Akad[emiya na] Nauk[ite]. Dokl[ady] [1959] v. 12, no. 6, p. 525-528. Another trans. is available from K-H \$7.50 as K-H 10833-a [1962].</p> <p>DESCRIPTORS: Chemical analysis, *Tobacco, *Chlorogenic acids, Phenols, Precipitation.</p> <p>(Chemistry--Analytical, TT, v. 10, no. 2)</p>	<p>62-18834 I. Mikhailov, M. K.</p> <p>Office of Technical Services</p>
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On the Enzymic Oxidation of Tobacco Polyphenol, by  
M. K. Mikhailova. <sup>V81 121</sup>  
RUSSIAN, PER, Dok Ak Nauk SSSR, No 3, 1958, pp 511-  
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Co-op Trans Sch 625

Sci - Biol  
Mar 59

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Investigation by Flavones of the Polyphenol Group in Tobacco by Filter Paper Chromatography, by M. K. Mikhailov.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CVIII, No 3, 1956, pp 511-514.

Co-Op Trans Sch Tr 329  
£1.12s.

Sci - Physics  
Jul 57

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address:  
DSIR Smoking Fit Unit  
20 Chester Terrace  
London, NW1

Mikhaylov, M. K.

THE SHMUK METHOD FOR DETERMINATION OF POLYPHENOLS IN TOBACCO (O Metode Shmuka dlya Oprudeleniya Polifenolov v Tabake) tr. by M. Slade. [1960] [7]p. (foreign text included) 8 refs. Trans. no. 4941.

Order from LC or SLA m\$1.80, ph\$1.80 61-15172

Trans. of Tabak (USSR) 1959, v. 20, no. 2, p. 41-43.

Paper chromatography was used to determine the influence of polyphenols on the reducing capacity (with respect to Fehling's solution) of aqueous extracts of tobacco before and after their acid hydrolysis. Results indicated that the polyphenols contained in non-hydrolyzed tobacco extract have no influence on its reducing capacity with respect to Fehling's solution, and in the hydrolyzed extract the aglycones of the polyphenols of the group of flavone derivatives are the only active principle. Shmuk's method gives only the aglycones of the polyphenols of the Flavone-derivative (Chemistry--Analytical, TT, v. 5, no. 6) (over)

61-15172

1. Tobacco--Chemical analysis
2. Phenols--Determination
- I. Mikhaylov, M. K.
- II. CSIRO Trans-4941
- III. Commonwealth Scientific and Industrial Research Organization (Australia)

Office of Technical Services

Variations in Merchantability and Ages of  
Technical Maturity of Volga Region Mountain  
Stands of Oak High Forests in the Chuvash ASSR,  
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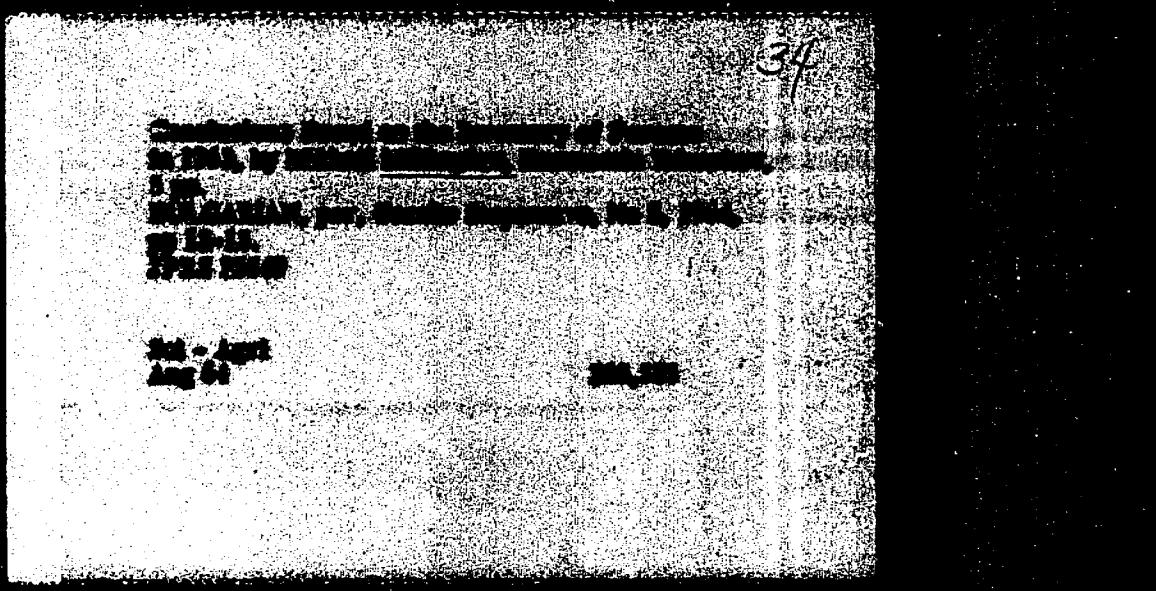
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